

Remarks

I. Amendments made to address formal matters

The Applicants acknowledge with appreciation the allowance of claims 1-16. The Applicants have amended claims 7-11 and 16 to address the Examiner's objections. In particular, claims 7-9 have been amended in the manner suggested by the Examiner. Claims 10, 11, and 16 have been amended to replace "decoding process" and "equalization process" with "decoding means" and "equalization means." Other words surrounding these terms have been amended as well, so as to provide the proper antecedent basis, and to comport with the rules of grammar.

II. Explanation of terms

The Examiner asked questions about several terms used in the present application. In response, the Applicants would like to offer the following answers:

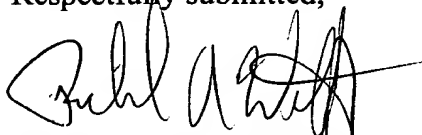
- "Expectation maximization type process" — This process (also referred to in the present application as the EM process) is described in a paper entitled "Semiblind Maximum a Posteriori Multipath Fast Fading Channel Estimation for TDMA Systems," by Siala et al., presented at IEEE VTS, 50th Vehicular Technology Conference, Amsterdam, The Netherlands, September 19-22, 1999. This paper is referenced on pages 20-21 of the present application.
- "Bootstrap type" — This term refers to a linear re-estimation loop (see, e.g., p. 5, line 31).
- "Cepstre" — This is a misspelling of the term "Cepstrum." The Applicants have amended the specification and claims to reflect the correct spelling. The term "Cepstrum" was introduced in an article entitled "The Quefrency Analysis of Time Series for Echoes: Cepstrum, Pseudoautocovariance, Cross-Cepstrum, and Saphe Cracking," by Bogert et al., which can be found on pages 209-243 of the Proceedings of the Symposium Time Series Analysis, by Rosenblatt et al. (1963). The term "Cepstrum" has come to be accepted terminology for the inverse Fourier transform of the logarithm of the power spectrum of a signal.

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III. Conclusion

The Applicants appreciate the attention the Examiner has paid to this application, and have tried to answer the remaining objections as well as possible. If there are still any outstanding concerns regarding the form of the claims, the Applicants attorney encourages the Examiner to call him to discuss further. Otherwise, the application is considered in good and proper form for allowance, and the Examiner is respectfully requested to pass this application to issue.

Respectfully submitted,



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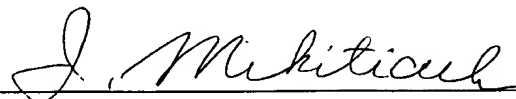
Date: January 12, 2005

CERTIFICATE OF MAILING

I hereby certify that this RESPONSE TO OFFICE ACTION OF NOVEMBER 17, 2004 (along with any documents referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Date:

January 12, 2005



Irina L. Mikitiouk